## **IEEE Search**

- 1. (peters <in> au) <and> speech
- 2. (maximum entropy) <and> (iterative <near/2> scaling)
- 3. (maximum <near/2> entropy) <and> (iterative <near/2> scaling)
- 4. (generalized <near/2> iterative <near/2> scaling)
- 5. (maximum <near/2> entropy) <and> (free <near/2> parameters)
- 6. 'maximum entropy' <and> training
  7. ((maximum-entropy <or> (maximum <near/1> entropy)) <and> orthogonalized
  8. ((maximum-entropy <or> (maximum <near/1> entropy)) <and> orthogonal

	Туре	Hits	Search Text
1	IS&R	2	("6157912").PN.
2	BRS	75	"704"/\$.ccls. and (maximum adj entropy)
3	BRS	14	"704"/\$.ccls. and (maximum adj entropy) and (iterative adj scaling)
4	BRS	12	"704"/\$.ccls. and (generalized adj iterative adj scaling)
5	BRS	1	"704"/\$.ccls. and ((cyclical acyclical) adj variant)
6	BRS	48	"704"/\$.ccls. and (free adj parameter)
7	BRS	63	"704"/\$.ccls. and (maximum adj entropy) and train\$3
8	BRS	17	"704"/\$.ccls. and (maximum adj entropy) and train\$3.ab.
9	BRS	1	"704"/\$.ccls. and (maximum adj entropy) and boundry
10	IS&R	2	("20020161574").PN.

	DBs	Time Stamp	en	Er ro r De fi ni ti	Er ro rs	
1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/02/11 11:03				S2
2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/02/14 14:12				<b>S</b> 3
3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/02/11 11:18				S4
4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/02/14 14:14				S5
5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/02/11 11:23				S6
6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDE	2005/02/11 11:44				S7
7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDE	2005/02/11 14:35				S8
8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDE					S9
9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDE	2005/02/14 09:21				S1 0
10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDE	2005/02/14 12:18				S1 1

	Туре	Hits	Search Text
11	BRS	60	"704"/\$.ccls. and (maximum adj entropy) and (subset (sub adj model vocabulary group) subgroup cluster)
12	BRS	71	"704"/\$.ccls. and ((generalized adj iterative adj scaling) GIS) and (subset (sub adj model vocabulary group) subgroup cluster)
13	BRS	7	"704"/\$.ccls. and ((generalized adj iterative adj scaling)) and (subset (sub adj (model vocabulary group)) subgroup cluster)

	DBs	Time Stamp	en	Er ro r De fi ni ti on	£
11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/02/14 14:13			S1 2
12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/02/14 14:14			S1 3
13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	2005/02/14 14:15			S1 5

```
? show files; ds; save temp; logoff hold
File
       9:Business & Industry(R) Jul/1994-2005/Feb 15
         (c) 2005 The Gale Group
      15:ABI/Inform(R) 1971-2005/Feb 16
         (c) 2005 ProQuest Info&Learning
File
      16:Gale Group PROMT(R) 1990-2005/Feb 17
         (c) 2005 The Gale Group
      20:Dialog Global Reporter 1997-2005/Feb 17
File
         (c) 2005 The Dialog Corp.
      47: Gale Group Magazine DB(TM) 1959-2005/Feb 16
File
         (c) 2005 The Gale group
     75:TGG Management Contents(R) 86-2005/Feb W1
File
         (c) 2005 The Gale Group
      80:TGG Aerospace/Def.Mkts(R) 1982-2005/Feb 17
         (c) 2005 The Gale Group
File
      88:Gale Group Business A.R.T.S. 1976-2005/Feb 15
         (c) 2005 The Gale Group
File
      98:General Sci Abs/Full-Text 1984-2004/Sep
         (c) 2004 The HW Wilson Co.
File 112:UBM Industry News 1998-2004/Jan 27
         (c) 2004 United Business Media
File 141:Readers Guide 1983-2004/Sep
         (c) 2004 The HW Wilson Co
File 148:Gale Group Trade & Industry DB 1976-2005/Feb 16
         (c) 2005 The Gale Group
File 160: Gale Group PROMT (R) 1972-1989
         (c) 1999 The Gale Group
File 275: Gale Group Computer DB(TM) 1983-2005/Feb 17
         (c) 2005 The Gale Group
File 264:DIALOG Defense Newsletters 1989-2005/Feb 16
         (c) 2005 The Dialog Corp.
File 484:Periodical Abs Plustext 1986-2005/Feb W2
         (c) 2005 ProQuest
File 553: Wilson Bus. Abs. FullText 1982-2004/Sep
         (c) 2004 The HW Wilson Co
File 570: Gale Group MARS(R) 1984-2005/Feb 17
         (c) 2005 The Gale Group
File 608:KR/T Bus.News. 1992-2005/Feb 17
         (c) 2005 Knight Ridder/Tribune Bus News
File 620:EIU: Viewswire 2005/Feb 16
         (c) 2005 Economist Intelligence Unit
File 613:PR Newswire 1999-2005/Feb 17
         (c) 2005 PR Newswire Association Inc
File 621: Gale Group New Prod. Annou. (R) 1985-2005/Feb 17
         (c) 2005 The Gale Group
File 623: Business Week 1985-2005/Feb 15
         (c) 2005 The McGraw-Hill Companies Inc
File 624:McGraw-Hill Publications 1985-2005/Feb 16
         (c) 2005 McGraw-Hill Co. Inc
File 634:San Jose Mercury Jun 1985-2005/Feb 16
         (c) 2005 San Jose Mercury News
File 635:Business Dateline(R) 1985-2005/Feb 16
         (c) 2005 ProQuest Info&Learning
File 636: Gale Group Newsletter DB(TM) 1987-2005/Feb 17
         (c) 2005 The Gale Group
File 647:CMP Computer Fulltext 1988-2005/Jan W5
         (c) 2005 CMP Media, LLC
File 696:DIALOG Telecom. Newsletters 1995-2005/Feb 16
         (c) 2005 The Dialog Corp.
File 674:Computer News Fulltext 1989-2005/Feb W2
```

```
(c) 2005 IDG Communications
File 810: Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File 587: Jane's Defense&Aerospace 2005/Jan W5
         (c) 2005 Jane's Information Group
Set
        Items
                Description
S1
        20626
               MAXIMUM()ENTROP??? OR MAX()ENTROP??? OR ENTROP??? OR MESM
S2
      1397329
                SPEECH?? OR SPEECH??()MODEL??
s3
        79567
                GENERALI?E??()ITERATIVE()SCAL??? OR GENERALI?E??()SCAL???
             OR ITERATIVE()SCAL??? OR GIS OR ITERATIVE()(VALUE?? OR PARAME-
             TER??) OR TRAIN???()ALGORITHM??
                SUBMODEL?? OR SUB()MODEL?? OR SUB()GROUP?? OR SUBGROUP?? OR
       534319
S4
              CLUSTER??
                BOUNDAR??? OR ORTHOGONAL?()BOUNDAR??? OR BOUNDAR???()VALUE-
       682638
S5
             ?? OR INTERAT???()BOUNDAR???
S6
         5047 AU=(PETERS, J? OR PETERS J?)
                S1 AND S6
s7
            2
S8
            0
                S7 AND S2
S9
            0
                S1(S)S2(S)S3(S)S4(S)S5
                S1(S)S2(S)S3(S)S4
S10
            0
            0
                S1(S)S2(S)S3
S11
            1
                S1(S)S2(S)S4
```

S12

S13

0

S1(S)S2(S)S5

```
? show files; ds; save temp; logoff hold
       2:INSPEC 1969-2005/Feb W1
File
         (c) 2005 Institution of Electrical Engineers
       6:NTIS 1964-2005/Feb W1
File
         (c) 2005 NTIS, Intl Cpyrght All Rights Res
       8:Ei Compendex(R) 1970-2005/Jan W3
File
         (c) 2005 Elsevier Eng. Info. Inc.
      34:SciSearch(R) Cited Ref Sci 1990-2005/Feb W2
         (c) 2005 Inst for Sci Info
      35:Dissertation Abs Online 1861-2005/Jan
File
         (c) 2005 ProQuest Info&Learning
     65:Inside Conferences 1993-2005/Feb W2
File
         (c) 2005 BLDSC all rts. reserv.
File
     94:JICST-EPlus 1985-2005/Jan W1
         (c) 2005 Japan Science and Tech Corp(JST)
     95:TEME-Technology & Management 1989-2005/Jan W2
         (c) 2005 FIZ TECHNIK
     99:Wilson Appl. Sci & Tech Abs 1983-2005/Jan
         (c) 2005 The HW Wilson Co.
File 144: Pascal 1973-2005/Feb W1
         (c) 2005 INIST/CNRS
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
File 583: Gale Group Globalbase (TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group
File 603: Newspaper Abstracts 1984-1988
         (c) 2001 ProQuest Info&Learning
File 483: Newspaper Abs Daily 1986-2005/Feb 16
         (c) 2005 ProQuest Info&Learning
Set
        Items
                Description
       188316
                MAXIMUM() ENTROP??? OR MAX() ENTROP??? OR ENTROP??? OR MESM
S1
                SPEECH?? OR SPEECH??()MODEL??
       325562
S2
                GENERALI?E??()ITERATIVE()SCAL??? OR GENERALI?E??()SCAL???
S3
        62148
             OR ITERATIVE()SCAL??? OR GIS OR ITERATIVE()(VALUE?? OR PARAME-
             TER??) OR TRAIN???()ALGORITHM??
                SUBMODEL?? OR SUB()MODEL?? OR SUB()GROUP?? OR SUBGROUP?? OR
S4
       843211
              CLUSTER??
S5
      1363289
                BOUNDAR??? OR ORTHOGONAL?()BOUNDAR??? OR BOUNDAR???()VALUE-
             ?? OR INTERAT???()BOUNDAR???
S6
         9171
                AU=(PETERS, J? OR PETERS J?)
S7
           29
                S6 AND S1
                S7 AND S2
S8
            0
                S1 AND S2 AND S3 AND S4 AND S5
S9
            0
                S1 AND S2 AND S3 AND S4
S10
            0
                S1 AND S2 AND S3
S11
           20
                RD (unique items)
S12
           15
                S12 NOT PY>2001
S13
            8
S14
           54
                S1 AND S2 AND S4
           36
                RD (unique items)
S15
           28
                S15 NOT PY>2001
S16
           28
                S16 NOT S13
S17
```

```
? show files; ds; save temp; logoff hold
File 344: Chinese Patents Abs Aug 1985-2004/May
         (c) 2004 European Patent Office
File 347: JAPIO Nov 1976-2004/Oct (Updated 050208)
         (c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD, UM &UP=200510
         (c) 2005 Thomson Derwent
Set
        Items
                Description
S1
         2203
                MAXIMUM() ENTROP??? OR MAX() ENTROP??? OR ENTROP??? OR MESM
S2
        72517
                SPEECH?? OR SPEECH??()MODEL??
                GENERALI?E??()ITERATIVE()SCAL??? OR GENERALI?E??()SCAL???
S3
          852
             OR ITERATIVE()SCAL??? OR GIS OR ITERATIVE()(VALUE?? OR PARAME-
             TER??) OR TRAIN???()ALGORITHM??
                SUBMODEL?? OR SUB()MODEL?? OR SUB()GROUP?? OR SUBGROUP?? OR
        23008
S4
              CLUSTER??
       113888.
                BOUNDAR??? OR ORTHOGONAL?() BOUNDAR??? OR BOUNDAR???() VALUE-
S5
             ?? OR INTERAT???()BOUNDAR???
               AU=(PETERS, J? OR PETERS J?)
S6
          404
s7
        55156
                IC=G10L?
S8
           11
                S6 AND S7
                S8 AND S1
S9
            7
            5
                S9 AND S2
S10
                S1 AND S2 AND S3 AND S4 AND S5
            0
S11
            0
                S1 AND S2 AND S3 AND S4
S12
                S1 AND S2 AND S3
            4
S13
                S13 AND S7
            4
S14
                S14 NOT PY>2001
            1
S15
                S15 NOT S10
S16
            0
                S1 AND S2 AND S4
S17
            1
                S17 NOT S10
S18
            1
S19
            1
                S18 NOT PY>2001
           37
                S1 AND S4
S20
           12
                S20 NOT PY>2001
S21
S22
           11
                S21 NOT (S19 OR S10)
           11
                IDPAT (sorted in duplicate/non-duplicate order)
S23
           11
S24
                IDPAT (primary/non-duplicate records only)
           0
                S24 AND S7
S25
                (MAXIMUM()ENTROP??? OR MAX()ENTROP???) AND S4
            4
S26
            0
S27
                S26 AND S7
            5
                S1 AND S2 AND S5
S28
            5
S29
                S28 AND S7
530
            1
                S29 NOT PY>2001
                S30 NOT (S10 OR S19)
S31
```

```
? show files; ds; save temp; logoff hold
File 348: EUROPEAN PATENTS 1978-2005/Feb W01
         (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20050203,UT=20050127
         (c) 2005 WIPO/Univentio
Set
        Items
                Description
                MAXIMUM() ENTROP??? OR MAX() ENTROP??? OR ENTROP??? OR MESM
S1
         6115
S2
        30858
                SPEECH?? OR SPEECH??()MODEL??
         2054
                GENERALI?E??()ITERATIVE()SCAL??? OR GENERALI?E??()SCAL???
53
             OR ITERATIVE()SCAL??? OR GIS OR ITERATIVE()(VALUE?? OR PARAME-
             TER??) OR TRAIN???()ALGORITHM??
S4
        61955
                SUBMODEL?? OR SUB()MODEL?? OR SUB()GROUP?? OR SUBGROUP?? OR
              CLUSTER??
S5
       107413
                BOUNDAR??? OR ORTHOGONAL?()BOUNDAR??? OR BOUNDAR???()VALUE-
             ?? OR INTERAT???() BOUNDAR???
S6
          301
                AU=(PETERS, J? OR PETERS J?)
         7576
·S7
                IC=G10L?
S8
            7
                S6 AND S7
                S8 AND S1
S9
            5
            5
                S9 AND S2
S10
            0
                S1(S)S2(S)S3(S)S4(S)S5
S11
S12
            0
                S1(S)S2(S)S3(S)S4
S13
            5
                S1(S)S2(S)S3
S14
            0
                S13 NOT PY>2001
S15
          109
                S1(S)S4
                S15 AND S7
            8
S16
                S16 NOT PY>2001
            7
S17
           7
S18
                S17 NOT S10
```

11

5

1

S19 S20

S21

S1(S)S3

S19 AND S7

\$20 NOT (\$18 OR \$10)